



SOFTWARE CM POLICY

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SOFTWARE CM POLICY

◆ GOAL

- To develop a navy wide system for recording and updating the software configuration along with the hardware configuration of Fleet units and their associated test facilities

◆ RATIONALE

- Software configurations must be not only accurately recorded, but widely accessible
- Several systems and processes are used today
- A common system is required for recording configuration

SOFTWARE CM POLICY



Advantages

- Single source for software CM information
- Widely visible and readily accessible
- Will reduce the number of Data Call demands
- Improved accuracy
- Software/Hardware association
- Clear software policy
- Assist BGI by identifying platforms in need of focused resources ensuring the targeted platforms can deploy with her !

SOFTWARE CM POLICY

◆ Objectives

- Establish, document, and maintain S/W configuration baselines
- Identify afloat software to its application
- Document revisions, patches, and other changes
- Identify S/W configuration managers

◆ Implementation

- Proposed process
- Develop prototype
- Execute prototype
- Evaluate prototype
- Refine and implement final process

SOFTWARE POLICY PROTOTYPE OBJECTIVES

- ◆ Ensure a workable process
 - Determine which steps work well and which do not
 - Modify the process to incorporate improvements
- ◆ Refine required data elements
- ◆ Identify changes to CDMD-OA
- ◆ Identify resource requirements
- ◆ Execute process on a Battle Group (TR/BATAAN 01)
- ◆ Capture metrics
- ◆ Measure effectiveness and resource utilization

SOFTWARE POLICY PROTOTYPE PHASES

- ◆ Phase I – Generated Test Work files and transmission
- ◆ Phase II – AWS, CG 55
- ◆ Phase III – Execute Prototype
- ◆ Phase IV – Once completed; notification

SOFTWARE POLICY

◆ Ship/Hull (UIC)

◆ Designated Combat/C4I System

◆ Software version designation

- Add software records to existing hardware records
- Identify media on which software resides
- Identify hardware item on which software operates (NHA)
- Provide opportunity to record special characteristics or description of changes

REQUIRED SOFTWARE DATA ELEMENTS

- ◆ RIC - XRIC utilized for non-provisioned software
 - XSFT00 + assigned number
 - Tab A - RIC NM = Software Version ID
 - Tab B - EIN = Software Version ID , CAGE
 - TAB C - SW:(software Version ID):(narrative)
- ◆ NHA - EIN of parent hardware
- ◆ SN - Media and Serial Number
- ◆ P RIC - Parent Hardware RIC
- ◆ P SN - Serial Number of Parent Hardware
- ◆ SAC - SWFTR
- ◆ DISCPL - V
- ◆ DISI - A
- ◆ EFD - Parent system and software ID

METRICS

- Is the software identification data accurate?
- How long does it take to initialize data.
- What changes to the established baseline occur? List type of change – s/w upgrades, and/or typos/corrections to data.
- TCD: How many emergent changes occur.
- How many records per system – Initial load, maintenance, and at the end?
- How many records/files are sent to SEA 53?

SOFTWARE POLICY ROLES

◆ **SEA04L5/SPM/PARM**

- Define S/W Configuration Management Process
- Develop and implement prototype process
- Submit SRS for required CDMD-OA changes
- Develop and promulgate guidance for S/W CM process
- Measure effectiveness

◆ **ISEAs/SSAs/SPM/PARM**

- Define software configurations
- Generate Work Files containing required S/W data
- Measure effectiveness

◆ **CDMs/SPM/PARM**

- Review and validate the Work Files
- Upload the Work Files
- Measure effectiveness

WORKSHOP OBJECTIVES

- ◆ Review individual responsibilities
 - ISEA, SSA, and CDM functions
 - Verify POC information
- ◆ Demonstrate the prototype process
 - Review process flow charts
 - Generate software configuration work files on-line
- ◆ Identify and address implementation issues
- ◆ Discuss exceptions, special procedures, etc...

Workshop Panel Members

- ◆ Billy Douglas, NAVSEA 53H, BFI
- ◆ D. Caroline Kowalsky, NAVSEA 05L526, CM
- ◆ Bill Phelps, NSLC Concord, CDMD-OA
Programmer
- ◆ Lisa Guthrie, DLDN, SSA/ISEA
- ◆ Patty Saldana, NSWC PHD, ISEA
- ◆ Patti Boeck, NSWC PHD, ISEA
- ◆ Jeff Drewry, NNVA, CDM
- ◆ Mike McCown, KPWA, ISEA

SUMMARY

DATA REQUIRED FOR SOFTWARE CM

Ship

System

Software Version Number

Media Type & Serial Number

Parent Equipment

Date Installed

SUMMARY

Process To Be Followed

Generate XRIC

Identify Parent Equipment

Copy Parent Equipment RT-2

Modify Copied RT-2 With Software Data and XRIC

Associate Copied RT-2 To Parent

Save

Level of Reporting

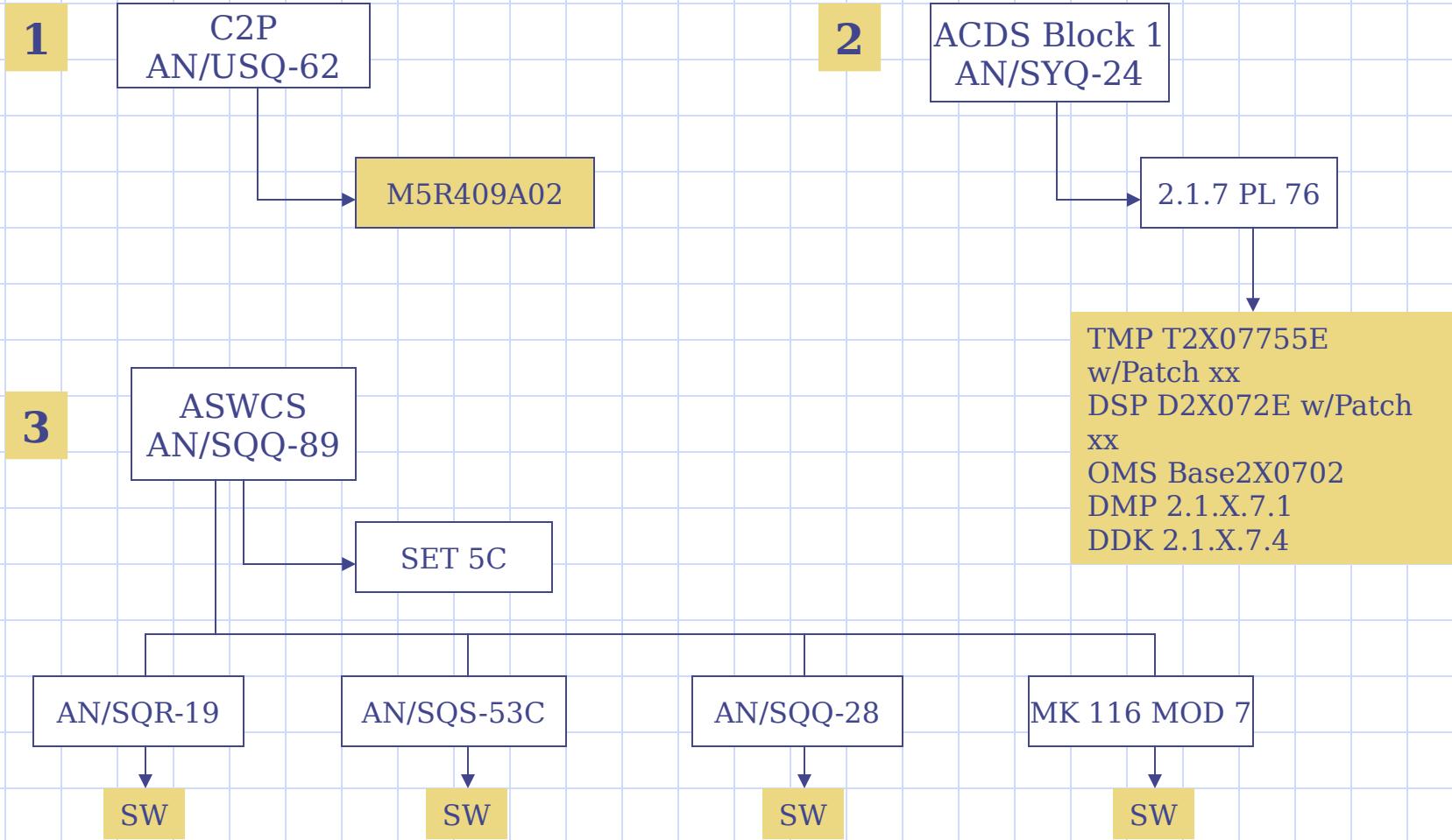
Determined By SEA 53 Requirements

Same Level As Present Data Calls

May Be Modified By Changing Requirements

SUMMARY

SOFTWARE REPORTING LEVELS



CM TRAINING

NAVSEA NOTE 4130

CDMD-OA Tech Spec 9090-700 Series

CDM/ISEA Website: <http://www.nsic.navsea.navy.mil/cdm/index/nsf>

CDMD-OA Website: <http://www.cdmd.navy.mil/pages/indexV4.htm>

FMP Manual SL720-AA-010 and 020

FMP Policy Manual Vol I and II

FMP Website: <http://www.fmp.navy.mil>

OPNAVINST 4790.4C - 3-M Manual

PCOE Website: <http://www.nsic.navsea.navy.mil/techlog/pcoe/index.htm>

PA FOS Manual: <http://www.nsic.navsea.navy.mil/nslcprcd/pafos.nsf>

Navy Supply Corps School, Athens, Georgia
Storekeeper Rate Manuals

CDM

SAILOR

SSA/ISEA